

Substitute for form 1449A/PTO (mod)		Application Number	10/614775
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	July 7, 2003
(Use as many sheets as necessary)		First Named Inventor	Allen, Richard C.
Page 1 of 6		Art Unit	
		Examiner Name	
		Attorney Case Number	52320US018

U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	(This field is not required) Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known) (Add Kind Code after patent No. when available)			
	A1	US- 2,248,087	6/1941	Bailey et al.	
	A2	US- 2,604,817	7/1952	Schupp, Jr.	
	A3	US- 3,124,639	3/1964	Kahn	
	A4	US- 3,213,753	10/1965	Rogers	
	A5	US- 3,438,591	4/1969	Makas	
	A6	US- 3,480,502	11/1969	Schrenk	
	A7	US- 3,499,960	3/1970	Macek et al.	
	A8	US- 3,581,841	2/1971	Norvalsa et al.	
	A9	US- 3,585,985	2/1971	Schrenk et al.	
	A10	US- 3,585,255	6/1971	Sevenich	
	A11	US- 3,610,729	10/1971	Rogers	
	A12	US- 3,711,176	1/1973	Alfrey, Jr. et al.	
	A13	US- 3,759,647	9/1973	Schrenk et al.	
	A14	US- 3,808,558	4/1974	Fischer	
	A15	US- 3,847,585	11/1974	Chisholm	
	A16	US- 3,860,036	1/1975	Newman, Jr.	
	A17	US- 4,025,688	5/1977	Nagy et al.	
	A18	US- 4,031,169	6/1977	Morris	
	A19	US- 4,036,912	7/1977	Stricharczuk	
	A20	US- 4,046,840	9/1977	Carman et al.	
	A21	US- 4,048,358	9/1977	Shanks	
	A22	US- 4,130,535	12/1978	Coran et al.	
	A23	US- 4,247,578	1/1981	Skinner et al.	
	A24	US- 4,250,074	2/1981	Foscante et al.	
	A25	US- 4,267,289	5/1981	Froix	
	A26	US- 4,268,127	5/1981	Oshima et al.	
	A27	US- 4,302,553	11/1981	Frisch et al.	

*Examiner:

Date Considered:

Substitute for form 1449A/PTO (modif)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 2 of 6

Application Number	10/614775
Filing Date	July 7, 2003
First Named Inventor	Allen, Richard C.
Art Unit	
Examiner Name	
Attorney Case Number	52320US018

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	(This field is not required) Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known) (Add Kind Code after patent No. when available)			
	A28	US- 4,310,584	1/1982	Cooper et al.	
	A29	US- 4,330,447	5/1982	Lundberg et al.	
	A30	US- 4,389,515	6/1983	DeLaMare et al.	
	A31	US- 4,446,305	5/1984	Rogers et al.	
	A32	US- 4,520,189	5/1985	Rogers et al.	
	A33	US- 4,521,588	6/1985	Rogers et al.	
	A34	US- 4,525,413	6/1985	Rogers et al.	
	A35	US- 4,567,227	1/1986	Kiss	
	A36	US- 4,680,353	7/1987	Ishihara et al.	
	A37	US- 4,688,900	8/1987	Doane et al.	
	A38	US- 4,717,225	1/1988	Feth et al.	
	A39	US- 4,720,426	1/1988	Englert et al.	
	A40	US- 4,871,784	10/1989	Otonari et al.	
	A41	US- 5,000,898	3/1991	Gabriel et al.	
	A42	US- 5,011,643	4/1991	Yang	
	A43	US- 5,016,991	5/1991	Mason	
	A44	US- 5,077,121	12/1991	Harrison et al.	
	A45	US- 5,088,807	2/1992	Waters et al.	
	A46	US- 5,094,788	3/1992	Schrenk et al.	
	A47	US- 5,094,793	3/1992	Schrenk et al.	
	A48	US- 5,103,337	4/1992	Schrenk et al.	
	A49	US- 5,122,905	6/1992	Wheatley et al.	
	A50	US- 5,122,906	6/1992	Wheatley	
	A51	US- 5,126,880	6/1992	Wheatley et al.	
	A52	US- 5,138,474	8/1992	Arakawa	
	A53	US- 5,149,578	9/1992	Wheatley et al.	
	A54	US- 5,157,526	10/1992	Kondo et al.	

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in

PAGE 6/10 * RCVD AT 12/1/2004 12:06:16 PM [Eastern Standard Time]* SVR:USPTO-EXRF-1/2 * DNI:8729306 * CSID:651 736 4517 * DURATION (mm:ss):03:48

Substitute for form 1449A/PTO (modif)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 3 of 6

Application Number	10/614775
Filing Date	July 7, 2003
First Named Inventor	Allen, Richard C.
Art Unit	
Examiner Name	
Attorney Case Number	52320US018

U.S. Patent Documents

Exam. Unit*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	(This field is not required) Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known) (Add Kind Code after patent No. when available)			
	A55	US- 5,166,817	11/1992	Ota et al.	
	A56	US- 5,178,812	1/1993	Sanford et al.	
	A57	US- 5,188,760	2/1993	Hikmet et al.	
	A58	US- 5,202,938	4/1993	Man et al.	
	A59	US- 5,211,878	5/1993	Reiffenrath et al.	
	A60	US- 5,217,794	6/1993	Schrenk	
	A61	US- 5,221,982	6/1993	Faris	
	A62	US- 5,222,795	6/1993	Hed	
	A63	US- 5,233,465	8/1993	Wheatley et al.	
	A64	US- 5,235,443	8/1993	Bamik et al.	
	A65	US- 5,238,738	8/1993	Miller	
	A66	US- 5,245,456	9/1993	Yoshimi et al.	
	A67	US- 5,262,894	11/1993	Wheatley et al.	
	A68	US- 5,268,225	12/1993	Isayev	
	A69	US- 5,269,995	12/1993	Ramanathan et al.	
	A70	US- 5,278,694	1/1994	Wheatley et al.	
	A71	US- 5,294,657	3/1994	Melendy et al.	
	A72	US- 5,301,046	4/1994	Konuma et al.	
	A73	US- RE34,605	5/1994	Schrenk et al.	
	A74	US- 5,318,703	5/1994	Schrenk	
	A75	US- 5,319,478	6/1994	Fijnschilling et al.	
	A76	US- 5,337,174	8/1994	Wada et al.	
	A77	US- 5,386,781	11/1994	Coburn et al.	
	A78	US- 5,389,324	2/1995	Lewis et al.	
	A79	US- 5,394,255	2/1995	Yokota et al.	
	A80	US- 5,422,758	6/1995	Weber	
	A81	US- 5,448,404	9/1995	Schrenk et al.	

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO (modif.)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 4 of 6

Application Number

10/614775

Filing Date

July 7, 2003

First Named Inventor

Allen, Richard C.

Art Unit

Examiner Name

Attorney Case Number

52320US018

U.S. Patent Documents

Exam. Int.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	(This field is not required) Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known) (Add Kind Code after patent No. when available)			
	A82	US- 5,469,278	11/1995	Takahara et al.	
	A83	US- 5,486,935	1/1996	Kelmanash	
	A84	US- 5,486,949	1/1996	Schrenk et al.	
	A85	US- 5,612,820	3/1997	Schrenk et al.	
	A86	US- 5,625,473	4/1997	Kondo et al.	
	A87	US- 5,629,055	5/1997	Revol et al.	
	A88	US- 5,686,979	11/1997	Weber et al.	
	A89	US- 5,699,188	12/1997	Gilbert et al.	
	A90	US- 5,721,603	2/1998	De Vaan et al.	
	A91	US- 5,744,534	4/1998	Ishihara et al.	
	A92	US- 5,751,388	5/1998	Larson	
	A93	US- 5,767,935	6/1998	Ueda et al.	
	A94	US- 5,770,308	6/1998	Suzuki et al.	
	A95	US- 5,783,120	7/1998	Onderkirk et al.	
	A96	US- 5,793,456	8/1998	Broer et al.	
	A97	US- 5,808,794	9/1998	Weber et al.	
	A98	US- 5,825,542	10/1998	Cobb, Jr. et al.	
	A99	US- 5,825,543	10/1998	Onderkirk et al.	
	A100	US- 5,867,316	2/1999	Carlson et al.	
	A101	US- 5,882,774	3/1999	Jonza et al.	
	A102	US- 5,962,572	10/1999	Chen	
	A103	US- 5,991,077	11/1999	Carlson et al.	
	A104	US- 6,005,713	12/1999	Carlson et al.	
	A105	US- 6,023,312	2/2000	Hasegawa et al.	
	A106	US- 6,025,897	2/2000	Weber et al.	
	A107	US- 6,031,665	2/2000	Carlson et al.	
	A108	US- 6,080,467	6/2000	Weber et al.	

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in

PAGE 8/10 * RCV'D AT 12/1/2004 12:06:16 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/2 * DNI:8729306 * CSID:6517364517 * DURATION (mm:ss):03:48

Substitute for form 1449A/PTO (modif.)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 5 of 8

Application Number	10/614775
Filing Date	July 7, 2003
First Named Inventor	Allen, Richard C.
Art Unit	
Examiner Name	
Attorney Case Number	52320US018

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	(This field is not required) Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known) (Add 1Kind Code after patent No. when available)			
A109		US- 6,088,067	7/2000	Willett et al.	
A110		US- 6,101,032	8/2000	Wortman et al.	
A111		US- 6,590,705	7/8/2003	Allen et al.	

Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	(This field is not required)Name of Patentee or Applicant of Cited Document	(This field is not required) Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (# known)				
B1	EP	0 488 544 A1		6/1992			
B2	EP	0 488 627 A2		6/1992			
B3	EP	0 506 176 A1		9/1992			
B4	EP	0 514 223 A1		11/1992			
B5	EP	0 597 261 A1		5/1994			
B6	EP	0 627 638 A1		12/1994			
B7	EP	0 684 423 A2		11/1995			
B8	JP	4-141603		5/1992			Abstract
B9	JP	6001871		1/1994			Abstract
B10	WO	WO 94/29765		12/1994			
B11	WO	WO 95/17303		6/1995			
B12	WO	WO 95/17691		6/1995			
B13	WO	WO 95/17892		6/1995			
B14	WO	WO 95/17699		6/1995			
B15	WO	WO 95/27919		10/1995			
B16	WO	WO 96/19347		6/1996			
B17	WO	WO 96/31794		10/1996			
B18	WO	WO 97/01440		1/1997			
B19	WO	WO 97/01774		1/1997			
B20	WO	WO 97/32226		9/1997			

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO (modif)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 6 of 6

Application Number	10/614775
Filing Date	July 7, 2003
First Named Inventor	Allen, Richard C.
Art Unit	
Examiner Name	
Attorney Case Number	52320US018

OTHER DOCUMENTS

Exam. Invt.*	Cita No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1	Alfrey et al., "Physical Optics of Iridescent Multilayered Plastic Films," <i>Polymer Engineering and Science</i> , Nov. 1969, Vol. 9, No. 6, pp. 400-404.	
	C2	Aphonin, O. A., "Optical Properties of Stretched Polymer Dispersed Liquid Crystal Films: Angle-Dependent Polarized Light Scattering," <i>Liquid Crystals</i> , Vol. 19, No. 4, 1995, pp. 469-480.	
	C3	Hodgkinson et al., "Effective Principal Refractive Indices and Column Angles for Periodic Stacks of Thin Birefringent Films," <i>J. Opt. Soc. Am. A.</i> , Vol. 10, No. 9, Sept. 1993, pp. 2065-2071.	
	C4	Kirk-Othmer Encyclopedia of Chemical Technology, 4 th Ed., Deuterium and Tritium to Elastomers, Polyethers, "Dyes, Anthraquinone," John Wiley & Sons, 1993, pp. 652-661.	
	C5	Land, E. H., "Some Aspects of the Development of Sheet Polarizers," 1951, Optical Society of America, Reprinted from <i>Journal of the Optical Society of America</i> , Vol. 41(12), Dec. 1951, pp. 957-963.	
	C6	Randord et al., Reflectivity of Iridescent Coextruded Multilayered Plastic Films, <i>Polymer Engineering and Science</i> , May 1973, Vol. 13, No. 3, pp. 216-221.	
	C7	Schrenk et al., Nanolayer polymeric optical films, <i>Tappi Journal</i> , pp. 169-174, June., 1992.	

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in

PAGE 10/10 * RCVD AT 12/1/2004 12:06:16 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/2 * DNI:8729306 * CSID:6517364517 * DURATION (mm:ss):03:48